ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8

1st & final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416109

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of work :- Modified Estimated for Improvements & Asphalting of Santhoshnagara road in ward No. 13 in Shettyhalli Sub Division Est cost :- 25.00 Lakhs Job code No.:- 013-15-000008 Work order :- EE/DD/WO/369/14-15 Agency :- G. N. Ramesh						

MEASUREMENT BOOK

M. A. R.
Measu

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurment recorded on 30-3-16						
	1) Earth work excavation by manual means in ordinary soil involving an average horizantal throw upto 2 mts and an avorage lift upto 0.5m, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods Complete as per specifications with all leads & lifts etc complete as per Specification & direction of Engineer-in-charge of the work Sty vide item No. 1: pre measurement recorded in page No. 416168/2 to 416169/2 of this ms					434.00m3 @ R 575.60	32810.00
	2) providing, laying, spreading to wet mix macadam Specif with waterat OMC in mecha of tipper to site laying in course on well prepared sur to achieve the desired dens & direction of engineerin Sty vide item no. 3 pre page no: 416169/2 to 4161						

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8

on 30-3-16

il means in ordinary soil involving
upto 2 mts and an average lift upto
d sides neatly dressed, the disposed
breaking of clods complete as
& lifts etc complete as per
neer-in-charge of the work
surement recorded
69½ of this MB 434.00m3

@RS 75.60 32810.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416110

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3) providing, laying, spreading, & Compacting graded stone aggregates to wet mix macadam Specifications including pre mixing the material with waterat OMC in mechanical mix plant carriage of mixed method of tipper to site laying in uniform layers with paver in sub base/base course on well prepared surface & compacting vl brotary roller to achieve the desired density complete as per specification, & direction of Engineer-in-charge of the work 8ft wide item no. 3 pre measurement recored in page no: 416169½ to 416170½ of this MB					460.53m3	

@RS 1438.56 662493.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) providing & applying primer coat with S.S Bitumen Emulsion on prepared surface of granular base including Clearing of road surface & spraying primer at the rate of 0.6 kg/Sqm using mechanical means complete as per specification with all leads & lifts etc direction of Engineer Charge of the work Qty vide item No. 4 pre measurment recorded in page No. 416171 to 416172 of this MB					18 42.10 m^2 @ Rs 35.21	64860.00
	6) Cleaning the existing block topped surface with brooms soft brushes & finally dusting with old gunny bags &/or						

M. A. R
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Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Compressed air to receive bitum materials, labours, HOM of m direction of Engineer-in-cha Qty vide item No.6 pre mea page No. 416172 of this	
	7) providing & applying tack at 2.5 kg per 10 Sqm heati Spray set (Excluding cleaning	

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
cd with S.S Bitumen Emulsion			
ar base including Clearing of road			
rate of 0.6 kg/Sqm using machini			
fication with all leads & lifts etc			
work			
nt recorded in			
this MB		1842.10 m^2	
@RS 35.21			64860.00
pped surface with brooms			
ith old gunny bags &/or			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

416111

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compressed air to receive bituminous treatment including materials, labours, HOM of machineries Complete as per Specification & direction of Engineer-in-Charge of the work &/y vide item No.6 premeasurment recorded in page No. 416172 of this MB					3880.30 m^2	cost of all Specification &
					@RS 3.02		11719.00
	7) providing & applying tack coat at 2.5 kg per 10 Sqm heating bitumen in boiler fitted with Spray set (Excluding cleaning of road surface) including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cost of all matirials, labours, HOM. of machineries complete as per Specification & direction of Engineer-in-charge of the work qty vide item No.7 premeasurment recorded in page No. 41617 2/2 of this MB					3880.80	
				@Rs	18.74		72717.00
	Measurment recorded on						
	8) providing & laying Semi dense bituminous Concrete Completed thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading						30-40 mm 25-30 mm

M. A. R
Meas

Serial No. .....

Name of Work ..... From....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	premixed with bituminous binder transporting the hot mix to wor with sensor control to the n Smooth wheeled Vibratory & as per MORTH specification Clau Grade bitumen with all loads direction of Engineer-in-charg 6th cross	1 -
	from pipeline	1 -
		1 -

IENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
M. of machineries complete as per				
ineer-in-charge of the work				
wer mark recorded in				
MB			3880.80	
@ Rs		18.74		72717.00
rded on				
e bituminous concrete				30-40 mm 25-20 mm
itumen with 100-120 TPH batch				
age output of 75 tonnes per				
of specified grading				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416112

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	premixed with bituminous binder of specified grad 5% of mix and filler transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade level & alignment rolling with Smooth wheeled vibratory & tandem rollers to achieve the desired compaction as per MORTH specification Clause No. 508 Complete in all respects with 80/100 Grade bitumen with all leads & lifts Complete as per Specification and direction of Engineer-in-charge of work P. No. 159, I No. 21.20.2)						
	6th cross	1	30.00	$\frac{(4.3+4.3)}{2}$	0.040	5.16 m3	
	from pipeline	1	30.00	(4.7+4.7)	0.040	5.34 m3	
		1	30.00	(4.7+4.7)	0.040	5.34 m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7th cross from temple	1	30.00	$\frac{(5.2+1.7)}{2}$	0.040	5.94 m³	
		1	30.00	$\frac{(5.2+4.4)}{2}$	0.040	5.76 m³	
		1	30.00	$\frac{(4.4+4.8)}{2}$	0.040	5.52 m³	
		1	30.00	$\frac{(4.8+5)}{2}$	0.040	5.88 m³	
		1	15.00	$\frac{(4.6+5)}{2}$	0.040	2.88 m³	
		1	30.00	$\frac{(4+5.1)}{2}$	0.040	5.52 m³	
		1	30.00	$\frac{(5+5.1)}{2}$	0.040	6.06 m³	
		1	30.00	$\frac{(5.0+5.1)}{2}$	0.040	6.06 m³	
		1	30.00	$\frac{(5.2+5)}{2}$	0.040	6.12 m³	
		1	30.00	$\frac{(5.2+4.8)}{2}$	0.040	6.00 m³	

M. A. R
Meas

Serial No. .....

Name of Work ..... From....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	8th cross from pipe line	1
		1
		1
		1
		1
		1
		1
		1
		1

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
$\frac{(5.2+4.7)}{2}$	0.040	5.94 m3	
$\frac{(5.2+4.4)}{2}$	0.040	5.76 m3	
$\frac{(4.4+4.2)}{2}$	0.040	5.52 m3	
$\frac{(4.8+5)}{2}$	0.040	5.88 m3	
$\frac{(4.6+5)}{2}$	0.040	2.88 m3	
$\frac{(4+5.1)}{2}$	0.040	5.52 m3	
$\frac{(5+5.1)}{2}$	0.040	6.06 m3	
$\frac{(5.0+5.1)}{2}$	0.040	6.06 m3	
$\frac{(5.2+5)}{2}$	0.040	6.12 m3	
$\frac{(5.2+4.8)}{2}$	0.040	6.00 m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416113

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	8th cross from pipe line	1	12.00	$\frac{(4.8+4.1)}{2}$	0.040	2.14 m3	
		1	30.00	$\frac{(4.4+4.1)}{2}$	0.040	5.10 m3	
		1	30.00	$\frac{(4.4+5.4)}{2}$	0.040	5.88 m3	
		1	30.00	$\frac{(5+5.4)}{2}$	0.040	6.24 m3	
		1	30.00	$\frac{(5.2+5)}{2}$	0.040	6.12 m3	
		1	30.00	$\frac{4+5.2}{2}$	0.040	5.52 m3	
		1	30.00	$\frac{(4.0+4.0)}{2}$	0.040	4.80 m3	
		1	28.00	$\frac{(4.5+4)}{2}$	0.040	4.76 m3	

MEASUREMENT BOOK

M. A.
Mea

Serial No. .....
Name of Work ..... From.
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Servia road from selection corner	1	30.00	$\frac{8.5+7.6}{2}$	0.040	9.66 m3	
		1	30.00	$\frac{7.4+7.4}{2}$	0.040	9.00 m3	
		1	30.00	$\frac{6.5+7.4}{2}$	0.040	8.34 m3	
		1	30.00	$\frac{6.6+6.5}{2}$	0.040	7.86 m3	
		1	30.00	$\frac{6.5+6.6}{2}$	0.040	5.24 m3	
	Cross road	1	27.00	5.90	0.040	6.37 m3	
		1	27.00	5.90	0.040	6.37 m3	
						164.98	
				@ RS	9631.44		1588995.00

Date	Full description, etc, of work	Number
1	2	3
	9) Carriage of mixed mat and direction of Enginee & by vide item No. 5+8	
	10) Disposal of debris to th lift & as direction by the Basic rate of haulage of M 100-40 RS 2.00 tonne/Kg	

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
0.60	$\frac{8.5+7.6}{2}$	0.040	9.66 m3	
.00	$\frac{(7.4+7.4)}{2}$	0.040	9.00 m3	
.00	$\frac{(6.5+7.4)}{2}$	0.040	8.34 m3	
.00	$\frac{(6.6+6.5)}{2}$	0.040	7.86 m3	
.00	$\frac{(6.5+6.6)}{2}$	0.040	5.24 m3	
.00	5.90	0.040	6.37 m3	
.00	5.90	0.040	6.37 m3	
			164.98	
@ RS	9631.44			1588995.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 416114

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	9) carriage of mixed materials and direction of Engineer-in-charge & by vide item No 5+8			10 kms @ RS	For 56.16	complete of the work 625.51 m3 35128.00	as per specification
	10) Disposal of debris to the final place of disposal with all lead & lift & as direction by the Engineer in charge of the work, lead 10km Basic rate of haulage of materials as per item No. 17.4 / KSRRB M 110-4.1 RS 2.00 tonne/km 5) average Earth of work 1.28						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	c) add loading & unloading Complete as per Specification & direction of Engineer in Charge of the work Qty vide item No. 1					434.00 m^3	31556=00 7277.00
				@ Rs	72.71		
Uda EE 30/3/2016						Total	2468722.00
						Executive Engr 30-3-16	

M. A. F
Meas

Serial No. .....

Name of Work ..... From...

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Certified that the work don	
	Certified that the debris re	

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Dimensions			Contents	Reference to last Measurement
ıgth 4	Breadth 5	Depth 6	7	8
mple te as per Specification ϕ ge of the work				
			434.00 m^3	31556=00 ~~7277.00~~
	@ RS 72.71			
			Total	2468722.00
				Abs 30-3-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

416115

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certified that the work done satisfactorily						
	Certified that the debris removed from the work Sports						Abs

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Chamundeshwari Temple Road		140.0 mt				
	8th Cross Road		208.0 mt				
	7th Cross Road				62.0 mt		
	6th Cross Road					225.0 mt	
	3rd Cross Road						
	Pipe Line Road						
	Index Asphalted Roads						

M. A. P
Meas

Serial No. .....

Name of Work ..... From...

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3